

THE LAGUNA SMART SHOP® FIBER LASER, 3'X4' CBX

LAGUNA

FIBER LASER 3' x 4' CBX 2026



LAGUNA LASER

LAGUNATOOLS.COM

800.234.1976

THE LAGUNA SMART SHOP® FIBER LASER, 3'X4' CBX

The Laguna SmartShop® Laser *CBX* is a high performance, heavy duty fiber laser cutting system in a compact package. The *CBX* is a self-contained portable unit capable of full sheet pass through. This unit is perfect for prototyping, small run quantities or limited space. The *CBX* has all the technology and versatility you need to keep up with an ever changing demand. Auto nesting, report generator, network compatible, Cad / Cam software, sheet/edge detection, optical sensing head (non-Contact)

MACHINE SPECIFICATION:

- **Working Area: 36" x 52"**
- **4000 pound one piece Enclosure**
- **Fiber Laser Power Options: 2KW, and 3KW Available**
- **Fully Enclosed with extraction port in the rear**
- **BOCI Closed Loop Cutting Head, Real time Feedback to the Controller.**
- **Nesting and Batch Production.**
- **Automated Height Control with Edge finding Capabilities.**
- **Yaskawa Servo systems for all Axis**
- **Ball Screw Drive System**
- **Lifetime Technical Support**
- **Comprehensive Maintenance Packages Available with Laguna Care**



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Average Maximum Cut Thickness by Power Supply:

Power supply Wattage	Carbon Steel	Stainless Steel	Aluminum	Copper	Brass
2,000 W, 2KW *	0.620"	0.230"	0.150"	0.050"	0.070"
3,000 W, 3KW **	0.780"	0.310"	0.230"	0.110"	0.190"

POWER REQUIREMENTS:

Power supply Wattage	Power Supply Voltage	Power Supply Amperage	Phase	Oxygen Assist Gas	Nitrogen Assist Gas
2,000 W, 2KW	208-240V	60 Amps	1 Phase	30-100 PSI	50-200 PSI
3,000 W, 3KW	440-480V	60 Amps	3 Phase	30-140 PSI	50-300 PSI
Low Volt 3KW	208-240V	125 Amps	3 Phase	30-140 PSI	50-300 PSI

Notes: *3KW and up require an additional 208-240V.40A,3PH circuit for Servo's

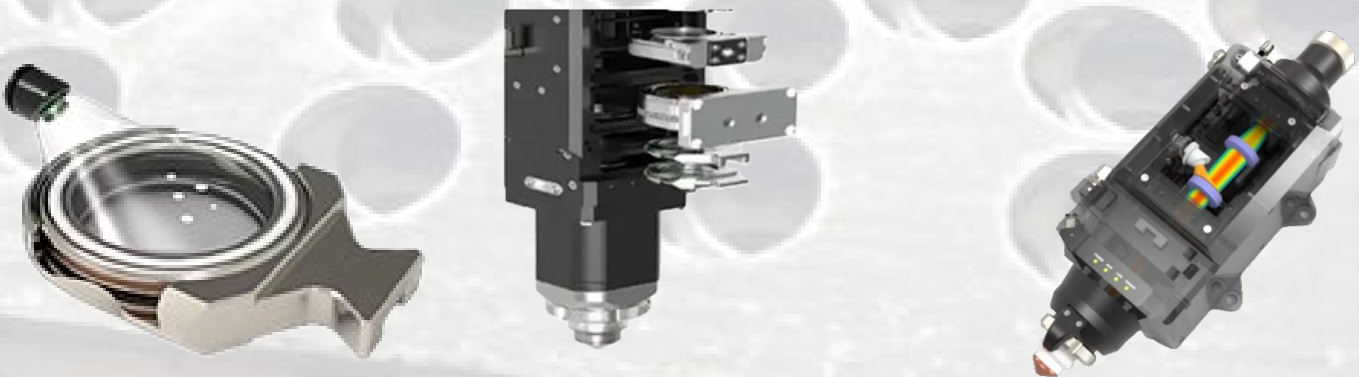
- * On Site Commissioning and Training Available.*
- * Lifetime Machine Technical Support.*
- * Laguna-Care Maintenance Programs Available.*



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INTELLIGENT CUTTING HEAD by BOCI:

- **Real Time Closed-Loop Feedback** from built-in sensors provides **Intelligent Monitoring for Rapid Diagnostics of Problems with Proactive Warnings.**
- **Lens Temperature Detection** for **Contamination / Damage Detection.**
- **Collision Detection** **Minimizes Losses** and enables **Rapid Production Recovery.**
- **Rapid Focus-Collimation Response** Ensures a more **Precise and Consistent Cut.**
- **2 Lower Protective Lenses** to Provide added **Shielding** for the **Focal Lens Set.**
- **Optimized Cooling System** covers **90% of the Optical Path** Provides **Full Body Cooling** for the **Cutting Head.**



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HIGH PERFORMANCE FIBER LASER:

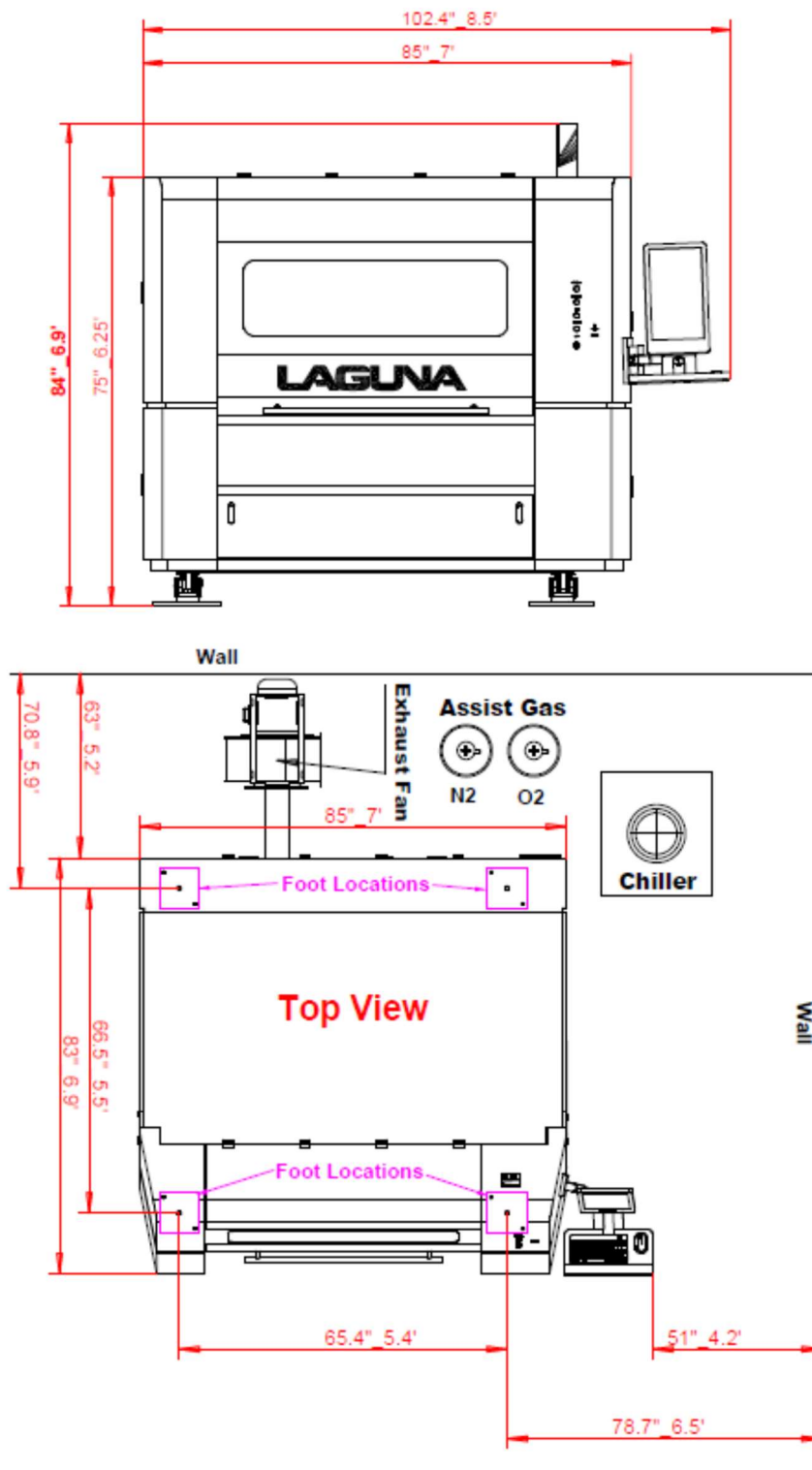
Our Optical Supply Delivers Performance, Consistency, and Cost Efficiency in the Most Demanding Industries or Educational Facilities. Laguna can Provide Solutions to Drive Success while Optimizing your Operational Costs.

FEATURES:

- **Global Industrial Fiber Laser Manufacturer**
- **Consistent Beam Quality for repeatable cutting performance**
- **Power Stability Maintains the Output within $\pm 1\%$ Ensuring Consistent Results**
- **Remote Diagnostics with the Machine and Fiber Optic Power Supply**
- **Connections for Optical interface information through the machines PC and with Bluetooth.**
- **Reliability and Efficiency through a High Electro-to-Optical Conversion.**
- **3KW and Larger have the added Back Reflection Protection for Highly Reflective Materials like Copper, Brass, and Nickel.**



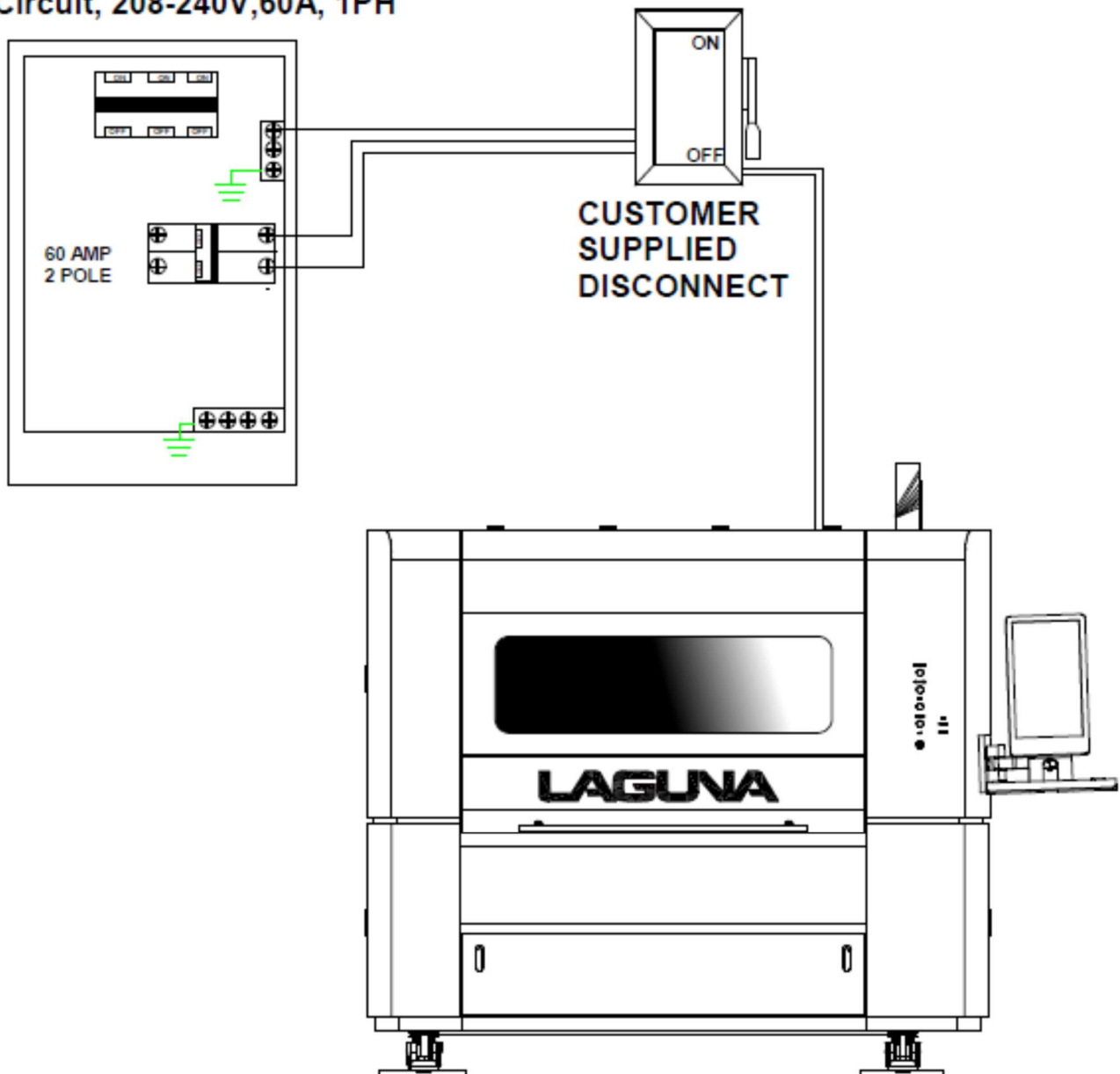
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2KW ELECTRICAL LAYOUT

CUSTOMER LOAD CENTER,
Circuit, 208-240V, 60A, 1PH



LAGUNA LASER

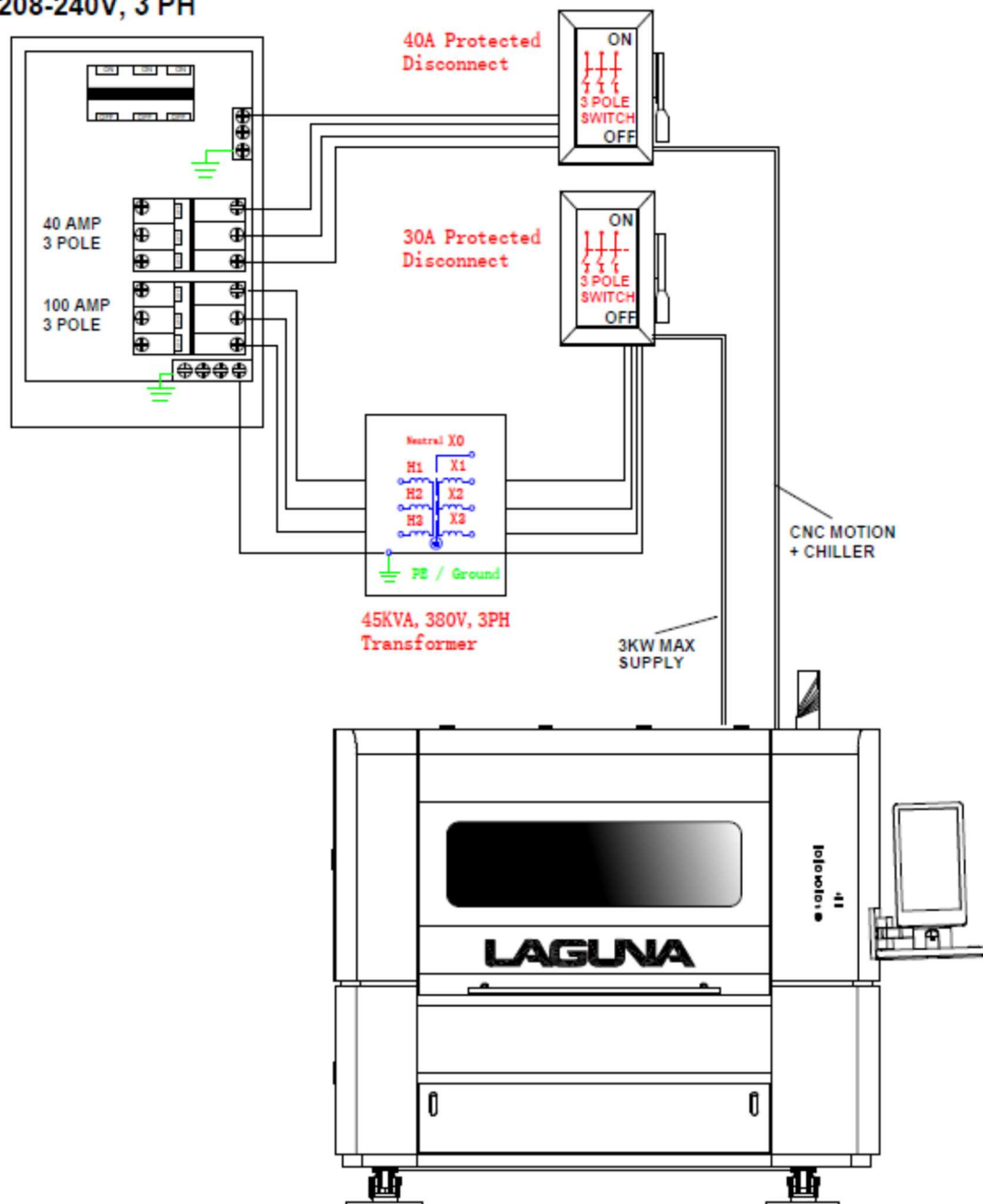
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208-240V, 3 PH



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